

CLAIMS

1 1. An eye shield device for a visor comprising:
2 an eye shield assembly;
3 an attachment assembly for removably attaching the eye shield assembly to the
4 visor, the attachment assembly including:
5 a pair of opposed support members;
6 an eye shield mount for coupling the eye shield assembly to the
7 attachment assembly and for permitting pivotal movement
8 of the eye shield assembly about a first axis; and
9 a generally flexible, elastic band coupled with and spanning
10 between the support members and held in tension by the
11 support members, a visor-receiving slot being defined
12 between the band and the eye shield assembly.

1 2. The eye shield device as set forth in claim 1, wherein the support
2 members each define an adjustment slot.

1 3. The eye shield device as set forth in claim 2, wherein the eye shield
2 assembly includes a lens having opposed sides, and the eye shield mount includes a
3 pair of mounting members, each mounting member coupled with one of the sides of the
4 lens and engaging one of the support members.

1 4. The eye shield device as set forth in claim 3, wherein each mounting
2 member includes a post received in the adjustment slot of the support member with
3 which the mounting member is engaged, the posts defining the first axis and permitting
4 the pivotal movement of the eye shield assembly about the first axis.

1 5. The eye shield device as set forth in claim 4, wherein the adjustment slots
2 are elongated permitting sliding of the posts therein for adjusting the position of the first
3 axis relative to the support members.

1 6. The eye shield assembly as set forth in claim 3, wherein the eye shield
2 assembly further includes a bendable shaping bar coupled with the lens along a top
3 edge thereof for varying curvature of the lens.

1 7. The eye shield assembly as set forth in claim 6, wherein the shaping bar
2 is constructed from a material that will retain its shape when bent for retaining a desired
3 curvature of the lens.

1 8. An eye shield device for a visor comprising:
2 an eye shield assembly;
3 an attachment assembly for removably attaching the eye shield assembly to the
4 visor, the attachment assembly including:
5 an eye shield support; and
6 a telescopic arm having a proximal end and a distal end, the
7 proximal end coupled with the support for pivotal movement
8 about a first axis, the distal end coupled with the eye shield
9 assembly.

1 9. The eye shield device as set forth in claim 8, wherein the eye shield
2 assembly includes a pair of lenses coupled by a bridge.

1 10. The eye shield device as set forth in claim 9, wherein the bridge includes
2 a central bridge panel having opposed side edges and a pair of outer bridge panels,
3 each outer bridge panel hingedly coupled with one of the side edges of the central
4 panel and coupled with one of the lenses, the bridge permitting independent pivotal
5 movement of the lenses about separate axes.

1 11. The eye shield device as set forth in claim 8, wherein the eye shield
2 support includes a pair of support members and a mounting member positioned
3 between the support members from which the telescopic arm depends.

1 12. The eye shield device as set forth in claim 11, wherein the support
2 members are each a leaf spring, biasing the mounting member in a direction away from
3 the eye shield assembly.

1 13. The eye shield device as set forth in claim 12, wherein the attachment
2 assembly further includes a generally flexible band coupled with and spanning between
3 the support members, a visor-receiving slot being defined between the band and the
4 eye shield assembly.

1 14. An eye shield device for a visor comprising:
2 an eye shield assembly;
3 an attachment assembly for removably attaching the eye shield assembly to the
4 visor, the attachment assembly including:
5 an eye shield support; and
6 an arm having a proximal end and a distal end, the proximal end
7 pivotally coupled with the support and the distal end
8 coupled with the eye shield assembly;
9 wherein the eye shield assembly includes first and second lenses connected by
10 a bridge, the bridge including a central portion coupled with the arm, and
11 first and second outer portions, the first and second outer portions being
12 coupled with the central portion for pivotal movement about generally
13 parallel first and second axes, the first and second outer portions each
14 including a hinge permitting pivotal movement of the first and second
15 lenses about third and forth axes, the third and forth axes not intersecting
16 the first and second axes.

1 15. The eye shield device as set forth in claim 14, wherein the eye shield
2 support includes a pair of support members and a mounting member positioned
3 between the support members from which the arm depends.

1 16. The eye shield device as set forth in claim 15, wherein the support
2 members are each a leaf spring, biasing the mounting member in a direction away from
3 the eye shield assembly.

1 17. The eye shield device as set forth in claim 16, wherein the attachment
2 assembly further includes a generally flexible band coupled with and spanning between
3 the support members, a visor-receiving slot being defined between the band and the
4 eye shield assembly.

1 18. The eye shield device as set forth in claim 17, wherein the band is
2 constructed from an elastic material and is held in tension between the support
3 members, and the support members each include a buckle for coupling with the band
4 and for permitting adjustment of the tension of the band.

1 19. The eye shield device as set forth in claim 18, wherein the arm is
2 telescopic permitting adjustment of the length of the arm.